

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A peripheral surface shape measuring apparatus of a roll-like object which measures a peripheral surface shape of a roll-like object, comprising:

a displacement amount measuring device which has a pinching device including two arms connected together at first end portions with a hinge and that pinch the roll-like object in a diameter direction of the roll-like object with a sensor part and a reference point part arranged opposite to each other in second end portions of the two arms, and which measures a displacement amount when the sensor part is relatively displaced in the diameter direction with respect to the reference point part;

a moving device which moves the displacement amount measuring device from one end side of the roll-like object to another end side of the roll-like object in an axial direction of the roll-like object;

a casing which supports the displacement amount measuring device and the moving device; and

a pair of jacking devices which are arranged on the casing, each of the pair of jacking devices having a forked supporting part to be engaged on one of sides of a core of the roll-like object,

wherein when the peripheral surface shape of the roll-like object is measured, the casing is detachably mounted on the roll-like object, and the pair of jacking devices adjust so that inclination of the casing with respect to the core of the roll-like object is eliminated so as to enable the displacement amount measuring device to move in parallel to a central axis of the roll-like object, and

wherein the peripheral surface shape of the roll-like object is measured on the basis of the displacement amount of the sensor part accompanied by movement of the displacement amount measuring device.

2. (canceled)

3. (previously presented): The peripheral surface shape measuring apparatus of the roll-like object according to claim 1, wherein the sensor part and the reference point part are shaped like bars which are perpendicular to the axial direction of the roll-like object and are in parallel to each other.

4. (canceled)

5. (original) The peripheral surface shape measuring apparatus of the roll-like object according to claim 1, wherein contact positions to the roll peripheral surface of the sensor part and the reference point part which pinch the roll-like object are within a range of ± 5 mm with respect to the diameter direction in a plane perpendicular to the diameter direction.

6. (canceled)

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7. (previously presented): The peripheral surface shape measuring apparatus of the roll-like object according to claim 5, wherein the sensor part and the reference point part are shaped like bars which are perpendicular to the axial direction of the roll-like object and are in parallel to each other.

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)